

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tomihisa Saitou et al. : Art Unit:
 Serial No.: To Be Assigned : Examiner:
 Filed: Herewith :
 FOR: IMAGE READING APPARATUS, ITS :
 LIGHT SOURCE, AND SHADING
 CORRECTING APPARATUS

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application as follows

IN THE ABSTRACT:

Please replace the abstract with the new abstract below:

ABSTRACT

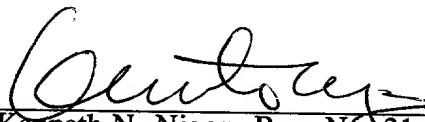
In an image reading apparatus using a contact image sensor, an area light source for reading an image from a film original is provided. The area light source has a light guide plate and an LED device in the center of a side surface on the shorter side of the plate. In the LED device, red-, green-, and blue-LED chips are mounted on the same package and red-, green, and blue- light are switched and lit. A white bottom plate covers the bottom surface of the light guide plate and a white case frame covers the four side surfaces. A scattering sheet is adhered to the upper surface of the white case frame, that is, a light emitting surface. On the rear surface of the light guide plate, light scatterers are formed by screen printing so that a specific pattern is drawn by high-reflectance white ink.

FOR "693650"

REMARKS

The abstract has been amended to meet the requirement that it be less than 150 words. No new matter has been added.

Respectfully Submitted,


Kenneth N. Nigon, Reg. No. 31,549
Attorneys for Applicant

KNN/tmb

Dated: November 14, 2001

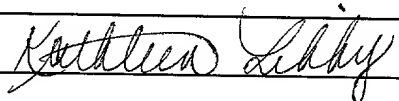
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The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail under Express Mail Label No. EL743541183US addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:

November 14, 2001

Kathleen Libby



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT:

ABSTRACT

In an image reading apparatus using a contact image sensor, an area light source for reading an image from a film original is provided. The area light source has a light guide plate and an LED device in the center of a side surface on the shorter side of the ~~light guide plate~~. In the LED device, red-, green-, and blue-LED chips are mounted on the same ~~LED~~ package and red-, green, and blue- light are switched and lit ~~on~~. In A white bottom plate covers the bottom surface of the light guide plate, ~~the bottom surface is covered with a white bottom plate and~~ a white case frame covers the four side surfaces ~~are covered with a white case frame~~. A scattering sheet is adhered to the upper surface of the white case frame, that is, a light emitting surface. On the rear surface of the light guide plate, light scatterers are formed by ~~a~~ screen printing ~~method~~ so that a specific pattern is drawn by high-reflectance white ink.

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